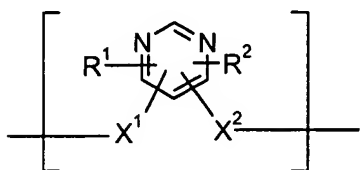
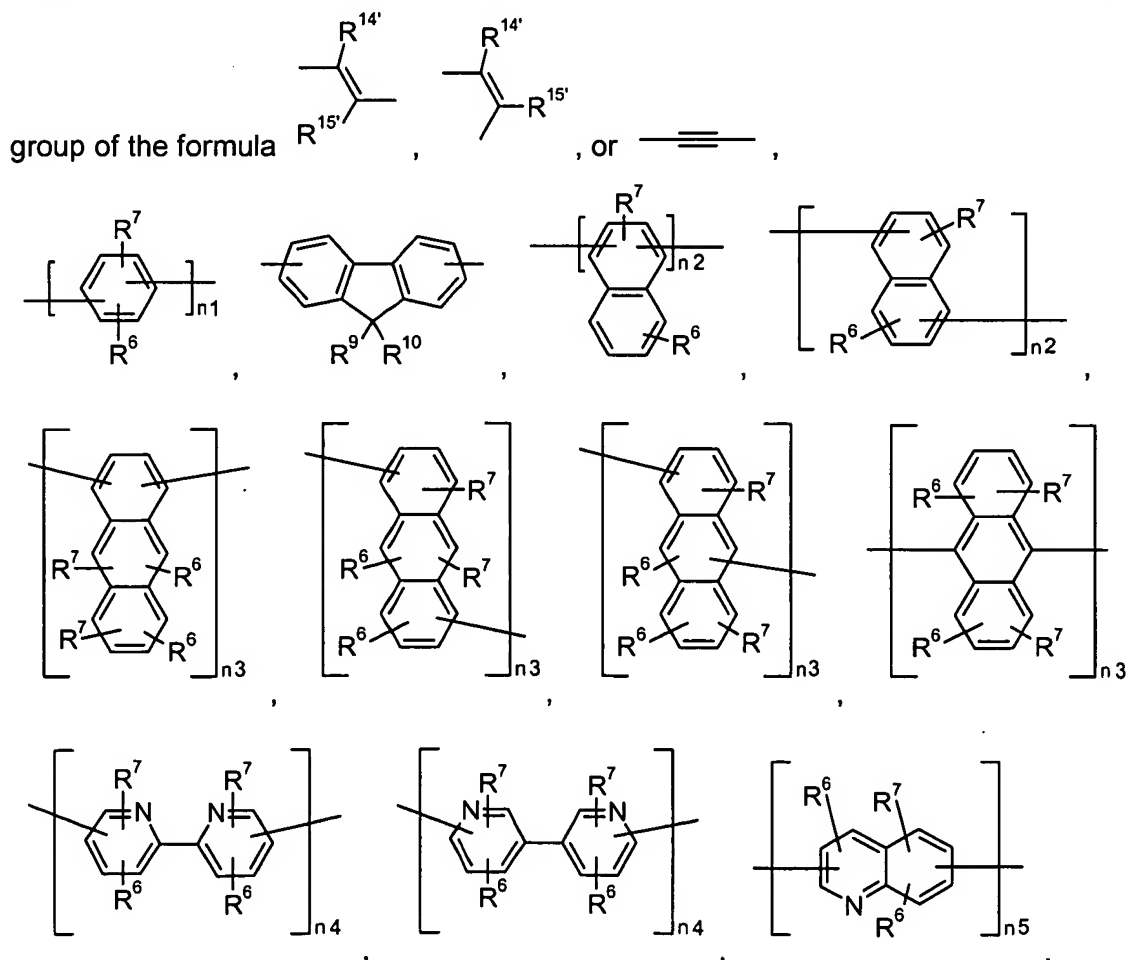


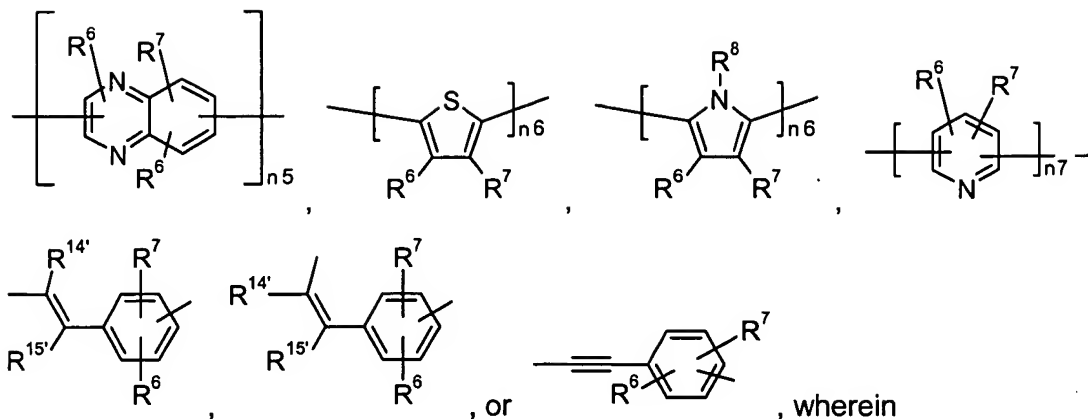
1. (withdrawn / currently amended): A polymer comprising a repeating unit of the formula



~~R¹ and R², are independently of each other an organic substituent, is C₆₋₂₄aryl or C₂₋₂₀ heteroaryl~~
each of which optionally can be substituted, and R² is H,

2. (withdrawn) A polymer according to claim 1, wherein X¹ and X² are independently of each other a





$n_1, n_2, n_3, n_4, n_5, n_6$ and n_7 are integers of 1 to 10, R^6 and R^7 are independently of each other H, C_1 - C_{18} alkyl, C_1 - C_{18} alkyl which is substituted by E and/or interrupted by D, C_5 - C_{12} cycloalkyl, C_5 - C_{12} cycloalkyl, which is substituted by E, C_6 - C_{24} aryl, C_6 - C_{24} aryl which is substituted by E, C_2 - C_{20} heteroaryl, C_2 - C_{20} heteroaryl which is substituted by E, C_2 - C_{18} alkenyl, C_2 - C_{18} alkynyl, C_1 - C_{18} alkoxy, C_1 - C_{18} alkoxy which is substituted by E and/or interrupted by D, C_7 - C_{25} aralkyl, or $-CO-R^{28}$,

R^8 is C_1 - C_{18} alkyl, C_1 - C_{18} alkyl which is substituted by E and/or interrupted by D, C_6 - C_{24} aryl, or C_7 - C_{25} aralkyl,

R^9 and R^{10} are independently of each other C_1 - C_{18} alkyl, C_1 - C_{18} alkyl which is substituted by E and/or interrupted by D, C_6 - C_{24} aryl, C_6 - C_{24} aryl which is substituted by E, C_2 - C_{20} heteroaryl, C_2 - C_{20} heteroaryl which is substituted by E, C_2 - C_{18} alkenyl, C_2 - C_{18} alkynyl, C_1 - C_{18} alkoxy, C_1 - C_{18} alkoxy which is substituted by E and/or interrupted by D, or C_7 - C_{25} aralkyl, or

R^9 and R^{10} form a ring, which may optionally be substituted by R^6 ,

$R^{14'}$ and $R^{15'}$ are independently of each other H, C_1 - C_{18} alkyl, C_1 - C_{18} alkyl which is substituted by E and/or interrupted by D, C_6 - C_{24} aryl, C_6 - C_{24} aryl which is substituted by E, C_2 - C_{20} heteroaryl, or C_2 - C_{20} heteroaryl which is substituted by E,

D is $-CO-$, $-COO-$, $-S-$, $-SO-$, $-SO_2-$, $-O-$, $-NR^{25}-$, $-SiR^{30}R^{31}-$, $-POR^{32}-$, $-CR^{23}=CR^{24}-$, or $-C\equiv C-$, and

E is $-OR^{29}$, $-SR^{29}$, $-NR^{25}R^{26}$, $-COR^{28}$, $-COOR^{27}$, $-CONR^{25}R^{26}$, $-CN$, $-OCOOR^{27}$, or halogen,

wherein

R^{23} , R^{24} , R^{25} and R^{26} are independently of each other H, C_6 - C_{18} aryl, C_6 - C_{18} aryl which is substituted by C_1 - C_{18} alkyl, C_1 - C_{18} alkoxy, C_1 - C_{18} alkyl, or C_1 - C_{18} alkyl which is interrupted by $-O-$, or

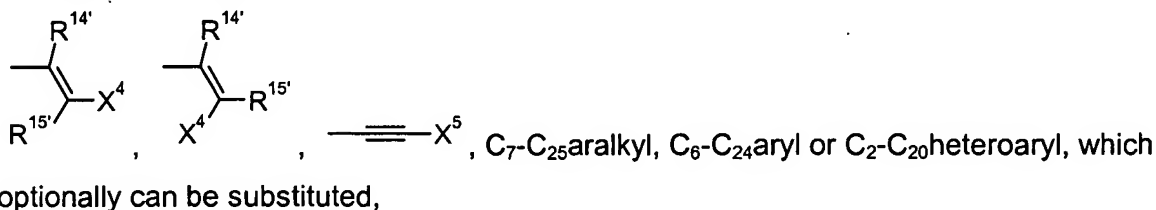
R^{25} and R^{26} together form a five or six membered ring, R^{27} and R^{28} are independently of each other H, C_6 - C_{18} aryl, C_6 - C_{18} aryl which is substituted by C_1 - C_{18} alkyl, or C_1 - C_{18} alkoxy, C_1 - C_{18} alkyl, or C_1 - C_{18} alkyl which is interrupted by $-O-$,

R²⁹ is H, C₆-C₁₈aryl, C₆-C₁₈aryl, which is substituted by C₁-C₁₈alkyl, C₁-C₁₈alkoxy, C₁-C₁₈alkyl, or C₁-C₁₈alkyl which is interrupted by -O-,

R³⁰ and R³¹ are independently of each other C₁-C₁₈alkyl, C₆-C₁₈aryl, or C₆-C₁₈aryl, which is substituted by C₁-C₁₈alkyl, and

R³² is C₁-C₁₈alkyl, C₆-C₁₈aryl, or C₆-C₁₈aryl, which is substituted by C₁-C₁₈alkyl.

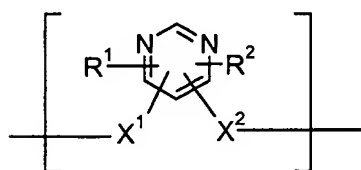
3. **(withdrawn)** A polymer according to claim 2, wherein R¹ and R² are independently of each other H, C₁-C₁₈alkyl, C₁-C₁₈alkyl which is substituted by E and/or interrupted by D, C₂-C₁₈alkenyl, C₂-C₁₈alkynyl, C₁-C₁₈alkoxy, C₁-C₁₈alkoxy which is substituted by E and/or interrupted by D,



X⁴ is C₁-C₁₈alkyl, C₁-C₁₈alkyl which is substituted by E and/or interrupted by D, C₆-C₂₄aryl, which optionally can be substituted,

X⁵ is C₁-C₁₈alkyl, C₆-C₂₄aryl, C₆-C₂₄aryl substituted by -OC₁-C₁₈alkyl or -OC₆-C₂₄aryl.

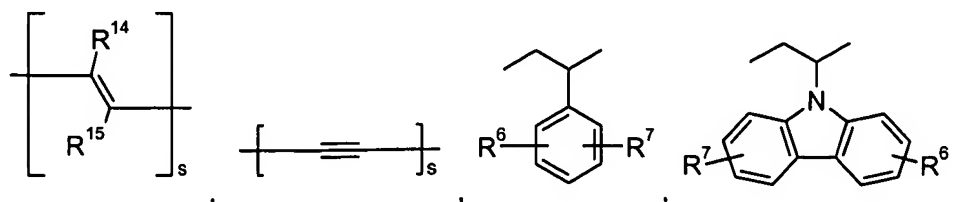
4. **(currently amended)** A polymer according to claim 1, comprising a repeating unit of the formula

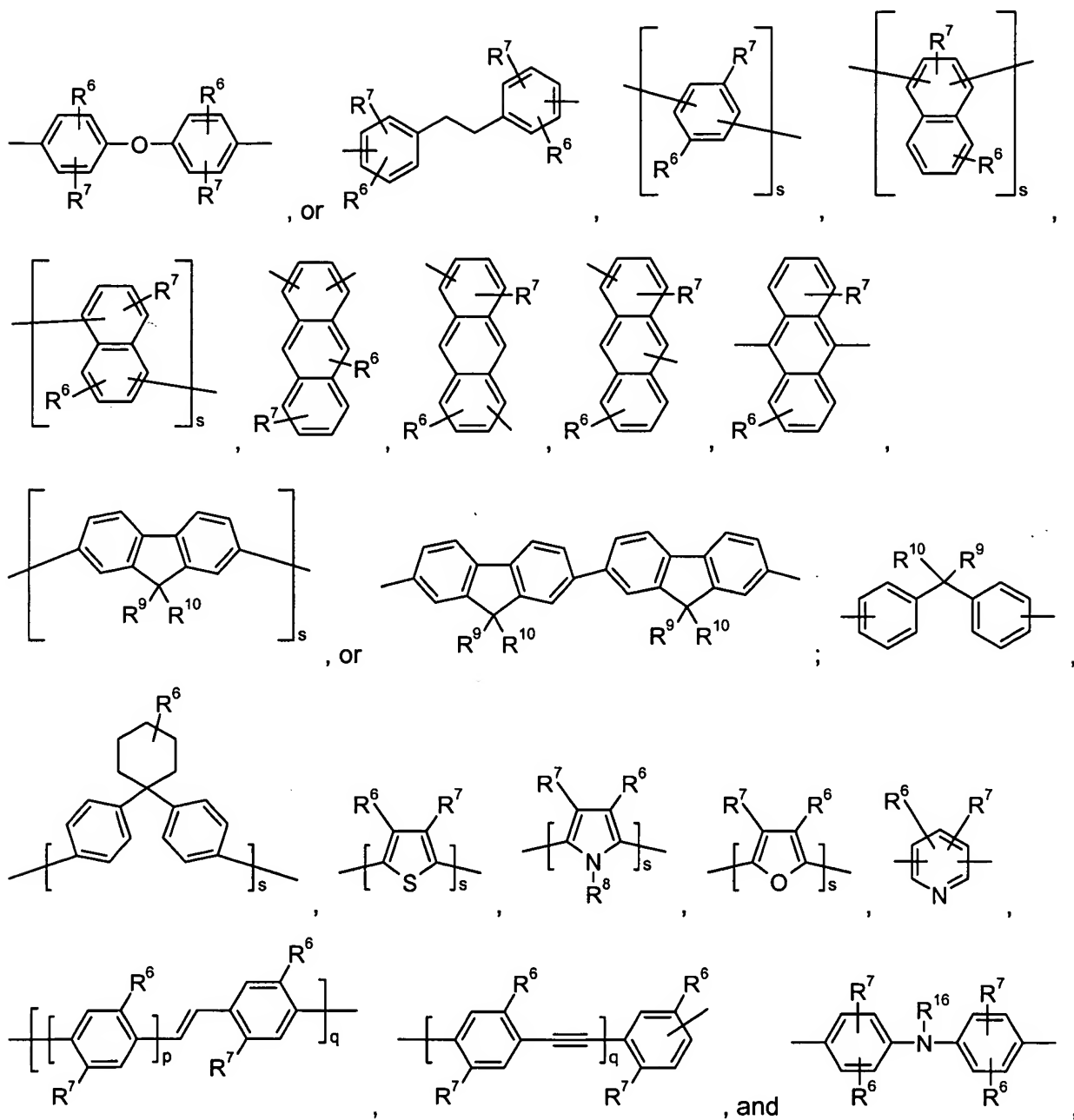


(I); wherein

R¹ and R², are independently of each other an organic substituent, is C₆₋₂₄aryl or C₂₋₂₀heteroaryl each of which optionally can be substituted, and R² is H,

X¹ and X² are independently of each other a divalent linking group which co-polymer also comprises comprising a co-monomer T which is selected from the group consisting of





wherein

R^{16} is H, C_6-C_{18} aryl, C_6-C_{18} aryl which is substituted by C_1-C_{18} alkyl, C_1-C_{18} alkyl, C_7-C_{25} aralkyl, or C_1-C_{18} alkyl which is interrupted by $-O-$,

p is an integer from 1 to 10,

q is an integer from 1 to 10,

s is an integer from 1 to 10,

R^6 and R^7 are independently of each other H, C_1 - C_{18} alkyl, C_1 - C_{18} alkyl which is substituted by E and/or interrupted by D, C_5 - C_{12} cycloalkyl, C_5 - C_{12} cycloalkyl, which is substituted by E, C_6 - C_{24} aryl, C_6 - C_{24} aryl which is substituted by E, C_2 - C_{20} heteroaryl, C_2 - C_{20} heteroaryl which is substituted by E, C_2 - C_{18} alkenyl, C_2 - C_{18} alkynyl, C_1 - C_{18} alkoxy, C_1 - C_{18} alkoxy which is substituted by E and/or interrupted by D, C_7 - C_{25} aralkyl, or $-CO-R^{28}$,

R^8 is C_1 - C_{18} alkyl, C_1 - C_{18} alkyl which is substituted by E and/or interrupted by D, C_6 - C_{24} aryl, or C_7 - C_{25} aralkyl,

R^9 and R^{10} are independently of each other C_1 - C_{18} alkyl, C_1 - C_{18} alkyl which is substituted by E and/or interrupted by D, C_6 - C_{24} aryl, C_6 - C_{24} aryl which is substituted by E, C_2 - C_{20} heteroaryl, C_2 - C_{20} heteroaryl which is substituted by E, C_2 - C_{18} alkenyl, C_2 - C_{18} alkynyl, C_1 - C_{18} alkoxy, C_1 - C_{18} alkoxy which is substituted by E and/or interrupted by D, or C_7 - C_{25} aralkyl, or

R^9 and R^{10} form a five- or six-membered ring, which may optionally be substituted by R^6 ,

$R^{14'}$ and $R^{15'}$ are independently of each other H, C_1 - C_{18} alkyl, C_1 - C_{18} alkyl which is substituted by E and/or interrupted by D, C_6 - C_{24} aryl, C_6 - C_{24} aryl which is substituted by E, C_2 - C_{20} heteroaryl, or C_2 - C_{20} heteroaryl which is substituted by E,

D is $-CO-$, $-COO-$, $-S-$, $-SO-$, $-SO_2-$, $-O-$, $-NR^{25}-$, $-SiR^{30}R^{31}-$, $-POR^{32}-$, $-CR^{23}=CR^{24}-$, or $-C\equiv C-$, and E is $-OR^{29}$, $-SR^{29}$, $-NR^{25}R^{26}$, $-COR^{28}$, $-COOR^{27}$, $-CONR^{25}R^{26}$, $-CN$, $-OCOOR^{27}$, or halogen, and wherein

R^{23} , R^{24} , R^{25} and R^{26} are independently of each other H, C_6 - C_{18} aryl, C_6 - C_{18} aryl which is substituted by C_1 - C_{18} alkyl, C_1 - C_{18} alkoxy, C_1 - C_{18} alkyl, or C_1 - C_{18} alkyl which is interrupted by $-O-$, or

R^{25} and R^{26} together form a five or six membered ring, R^{27} and R^{28} are independently of each other H, C_6 - C_{18} aryl, C_6 - C_{18} aryl which is substituted by C_1 - C_{18} alkyl, or C_1 - C_{18} alkoxy, C_1 - C_{18} alkyl, or C_1 - C_{18} alkyl which is interrupted by $-O-$,

R^{29} is H, C_6 - C_{18} aryl, C_6 - C_{18} aryl, which is substituted by C_1 - C_{18} alkyl, C_1 - C_{18} alkoxy, C_1 - C_{18} alkyl, or C_1 - C_{18} alkyl which is interrupted by $-O-$,

R^{30} and R^{31} are independently of each other C_1 - C_{18} alkyl, C_6 - C_{18} aryl, or C_6 - C_{18} aryl, which is substituted by C_1 - C_{18} alkyl, and

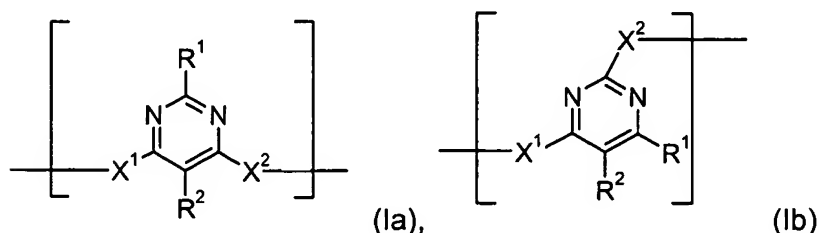
R^{32} is C_1 - C_{18} alkyl, C_6 - C_{18} aryl, or C_6 - C_{18} aryl, which is substituted by C_1 - C_{18} alkyl, or

R^9 and R^{10} together form a group of formula $=CR^{100}R^{101}$, wherein

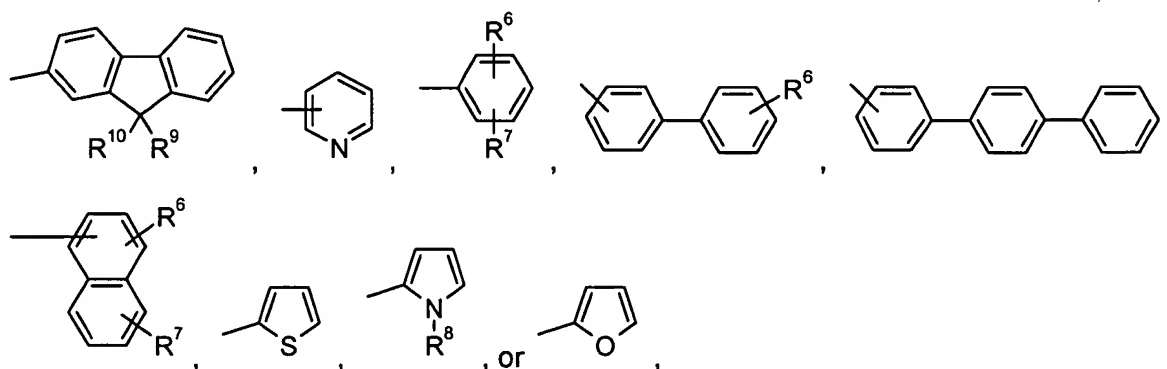
R^{100} and R^{101} are independently of each other H, C_1 - C_{18} alkyl, C_1 - C_{18} alkyl which is substituted by E and/or interrupted by D, C_6 - C_{24} aryl, C_6 - C_{24} aryl which is substituted by E, or C_2 - C_{20} heteroaryl, or C_2 - C_{20} heteroaryl which is substituted by E, and

R^{14} and R^{15} are independently of each other H, C_1 - C_{18} alkyl, C_1 - C_{18} alkyl which is substituted by E and/or interrupted by D, C_6 - C_{24} aryl, C_6 - C_{24} aryl which is substituted by E, or C_2 - C_{20} heteroaryl, C_2 - C_{20} heteroaryl which is substituted by E.

5. (withdrawn) A polymer according to claim 1, comprising repeating units of formula Ia or Ib,



wherein R^1 is a group of formula



wherein R^2 is H,

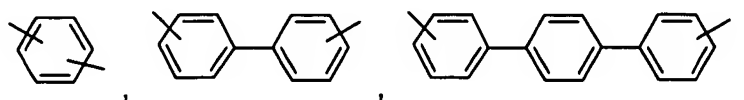
R^6 and R^7 are independently of each other H, C_1 - C_{12} alkyl, C_5 - C_{12} cycloalkyl, C_6 - C_{24} aryl, which can be substituted by $-O$ - C_1 - C_{12} alkyl, or C_1 - C_{18} alkoxy,

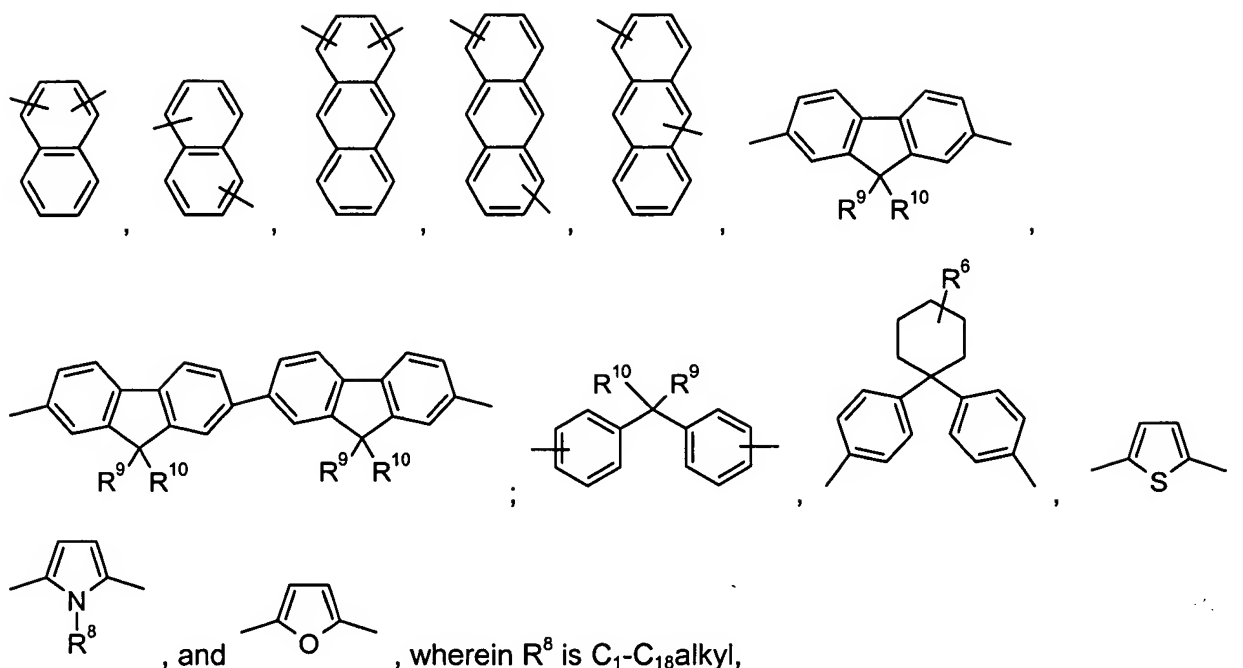
R^8 is C_1 - C_{18} alkyl, C_1 - C_{18} alkyl interrupted by one or two oxygen atoms, or C_6 - C_{12} aryl, which optionally can be substituted by C_1 - C_{12} alkyl, or C_1 - C_{12} alkoxy,

R^9 and R^{10} are independently of each other H, C_1 - C_{12} alkyl, or C_1 - C_{12} alkoxy,

R^9 and R^{10} are independently of each other C_1 - C_{18} alkyl, especially C_4 - C_{12} alkyl, which can be interrupted by one or two oxygen atoms.

6. (currently amended) A polymer according to claim [5] 4, comprising a co-monomer T which is selected from the group consisting of

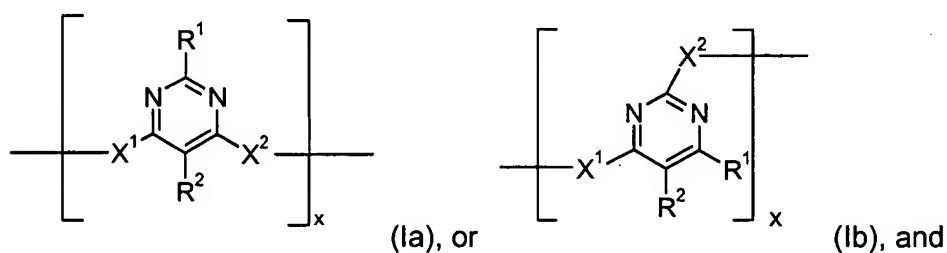




R^9 and R^{10} are independently of each other C_1 - C_{18} alkyl, which can be interrupted by one or two oxygen atoms, or

R^9 and R^{10} form a five or six membered carbocyclic ring, which optionally can be substituted by C_1 - C_8 alkyl.

7. (currently amended) A polymer according to claim **[1]** 4, comprising a repeating unit of formula



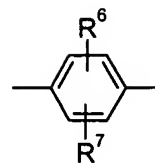
a co-monomer $\left[T \right]_y$, wherein

x is in the range of 0.005 to 1, and y is in the range of 0.995 to 0, wherein the sum of x and y is 1,

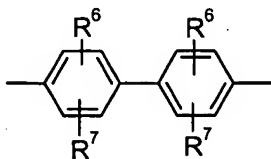
R^1 is a group of formula , or , or , wherein X^6 is H, C_1 - C_{18} alkyl, cyclohexyl, or C_1 - C_{18} alkoxy,

R² is H,

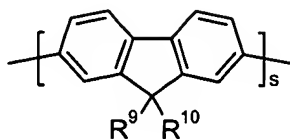
X¹ and X² are independently of each other a group of formula

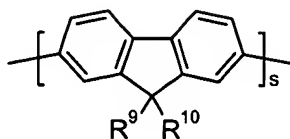


, or



, and



T is a group of formula , wherein s is one or two, and R⁹ and R¹⁰ are independently of each other C₁-C₁₈alkyl, which can be interrupted by one or two oxygen atoms, and

R⁶ and R⁷ are independently of each other H, C₁-C₁₂alkyl, C₅-C₁₂cycloalkyl, C₆-C₂₄aryl, which can be substituted by -O-C₁-C₁₂alkyl, or C₁-C₁₈alkoxy.

8-11. (cancelled)

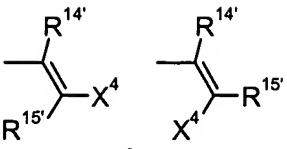
12. (withdrawn) An optical device or a component therefore, comprising a substrate and a polymer according to claim 1.

13. (withdrawn) An optical device according to claim 12, wherein the optical device comprises an electroluminescent device.

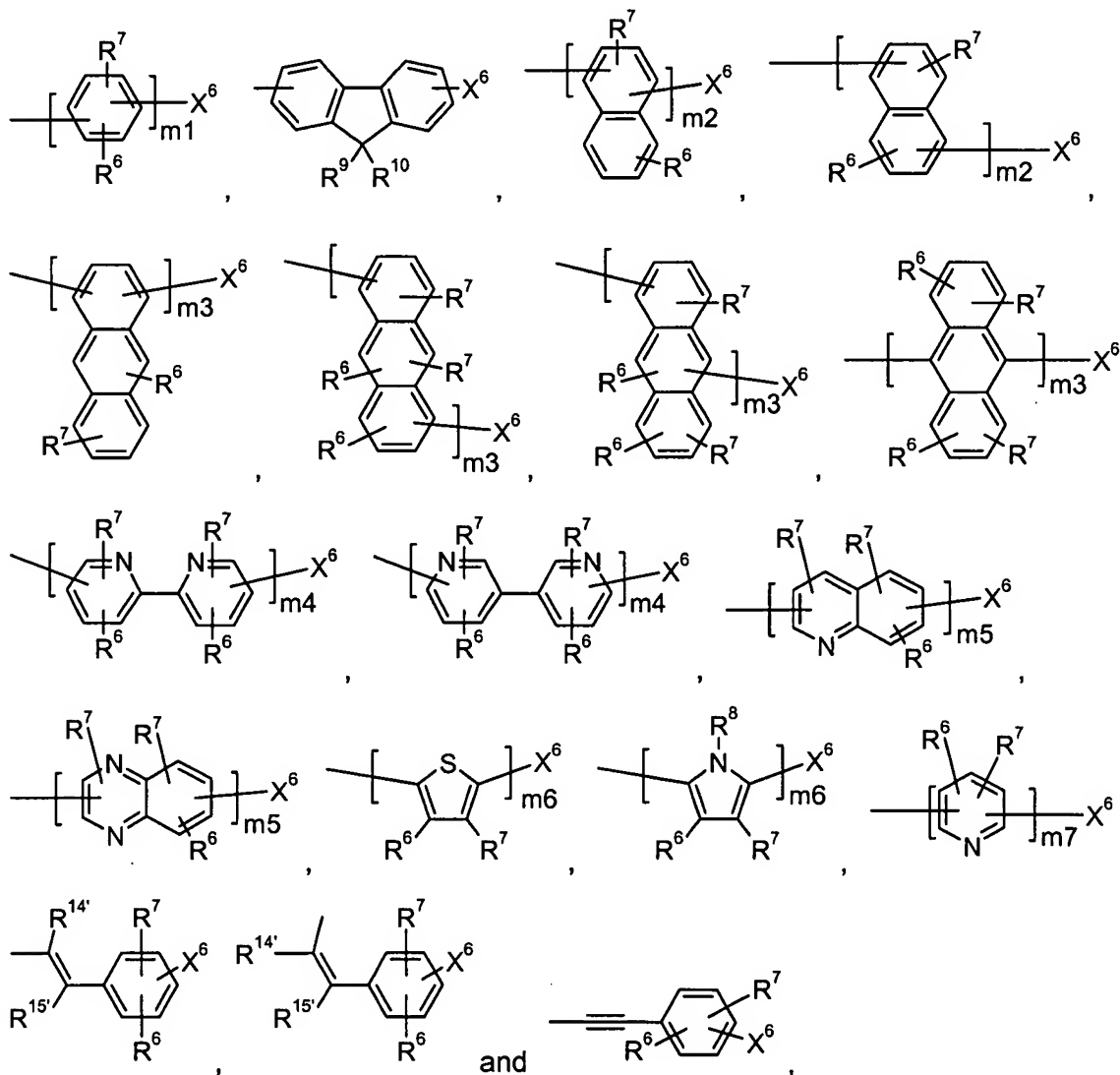
14. (withdrawn) An optical device according to claim 13, wherein the electroluminescent device comprises

- (a) a charge injecting layer for injecting positive charge carriers,
- (b) a charge injecting layer for injecting negative charge carriers,
- (c) a light-emissive layer located between the layers (a) and (b) comprising a polymer according to claim 1.

15. (cancelled)

16. (withdrawn) A polymer according to claim 3, wherein when R¹ or R² is ,

$\text{---}\equiv\text{X}^5$, C₆-C₂₄aryl or C₂-C₂₀heteroaryl, it is selected from the group consisting of the formulae

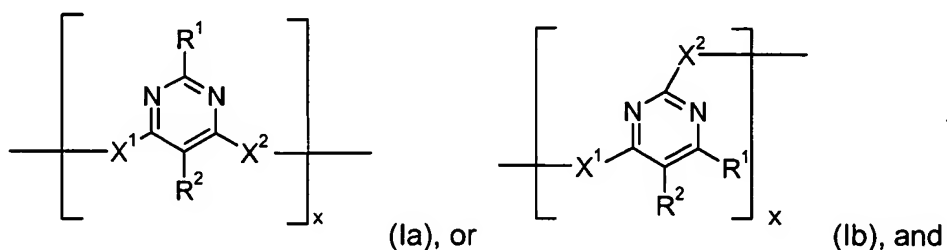


wherein m1, m2, m3, m4, m5, m6 and m7 are integers of 1 to 10,

X⁶ is H, C₁-C₁₈alkyl, C₁-C₁₈alkyl which is substituted by E and/or interrupted by D, C₆-C₃₀aryl, which optionally can be substituted, C₂-C₂₆heteroaryl, which optionally can be substituted, C₂-C₁₈alkenyl, C₂-C₁₈alkynyl, C₁-C₁₈alkoxy, C₁-C₁₈alkoxy which is substituted by E and/or interrupted by D, or C₇-C₂₅aralkyl,

R^{11} , R^{12} and R^{13} are independently of each other H, C_1 - C_{18} alkyl, C_1 - C_{18} alkyl which is substituted by E and/or interrupted by D, C_6 - C_{24} aryl, C_6 - C_{24} aryl which is substituted by E, C_2 - C_{18} alkenyl, C_2 - C_{18} alkynyl, C_1 - C_{18} alkoxy, C_1 - C_{18} alkoxy which is substituted by E and/or interrupted by D, or C_7 - C_{25} aralkyl.

17. (previously presented) A polymer according to claim 7, comprising a repeating unit of formula



a co-monomer $\left[\text{T} \right]_y$, wherein

x is in the range of 0.4 to 0.6, and y is in the range of 0.6 to 0.4, wherein the sum of x and y is 1.

18. (cancelled)

19-21. (cancelled)